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CXCR3 (M) Antibody, Rabbit Polyclonal

Cat#: R0974-1

Quantity: 100 ul

Predicted | Observed MW: 41 | 52, 65 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P49682

Background:

C-X-C chemokine receptor type 3 (CXCR3) is a multi-pass membrane protein belonging to the G-protein coupled receptor 1 family. CXCR3 is a receptor for CXCL9, CXCL10 and CXCL11 and mediates the proliferation of human mesangial cells (HMC). Isoform 2 is a receptor for CXCL4 and also mediates the inhibitory activities of CXCL9, CXCL10 and CXCL11 on the growth of human microvascular endothelial cells (HMVEC). Binding of CXCL4 or CXCL10 to CXCR3 leads to activation of the p38MAPK pathway and contributes to the inhibition of angiogenesis. Overexpression of CXCR3 in renal cancer cells down-regulates the expression of the anti-apoptotic protein HMOX1 and promotes apoptosis.

Other Names:

C-X-C chemokine receptor type 3, GPR9, CXC-R3, CXCR-3, CKR-L2, G protein-coupled receptor 9, Interferon-inducible protein 10 receptor, IP-10 receptor, CD183

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the middle region of human CXCR3. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human,

Tested Applications:

WB: 1:1000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

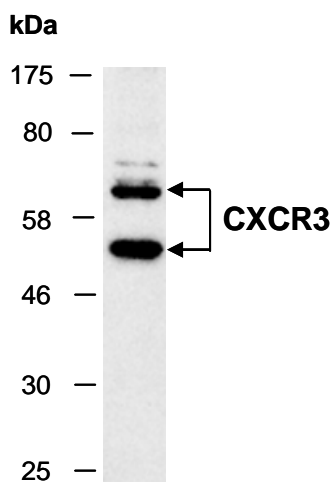


Fig 1. Western blot of total cell extracts from human K562, using Ab (R0974-1) at RT for 2 h. CXCR3 was detected as multiple forms, with 2 predominant bands at 52 and 65 kD.